



## ALCUDIA® R4805

ALCUDIA® R4805 is a low melt flow rate high density polyethylene with medium molecular weight distribution. It offers an optimum balance between mechanical and processing properties for production of tapes with high tensile strength at break.

### APPLICATIONS

ALCUDIA® R4805 is designed for stretched tapes production based on blown film. It gives flexible tapes with high tenacity and low fibrillation tendency suitable for:

- Iso Mayer textile applications
- Raschel knitted and woven fabrics.
- Twines and ropes

Recommended melt temperature range from 210 to 230°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt flow rate (230°C/2.16 kg)	0.55	g/10 min	ISO 1133
Density at 23°C	948	kg/m <sup>3</sup>	ISO 1183
<b>Processing guidelines on HD-extruders (1)</b>			
Temperature	180 - 230	°C	
Blow up ratio	1.1 – 1.3		
(1) Should be processed on HD-extruders in order to obtain optimal performance and good mechanical properties of the film			

ALCUDIA® R4805 complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### STORAGE

ALCUDIA® R4805 should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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